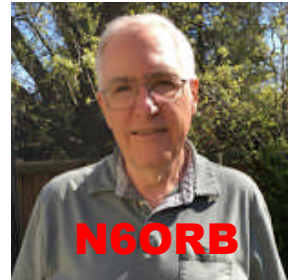


Friday May 19, 2017 7:30pm
Our Saviors Lutheran Church
1035 Carol Lane, Lafayette
DX Interest Group Meeting 6pm
*** License Testing 6pm ***

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Easy Up... Easy Down... Easy with HOA !



Member Dave Piersall, N6ORB, will show us how to work the world with temporary antennas amongst HOA (Home Owner Associations) jurisdiction.

Space and time permitting, Dave will demonstrate a LNR 20 meter end-fed wire antenna and a 10 meter horizontal loop antenna with a mast and tripod made from military mast sections.

Please invite a friend or two to attend.

See you there.

73, Larry Bradley, KK6QPE, Vice President



Annual Campout with SFRC

The joint SFARC-MDARC campout will take place starting on Friday, June 2nd and end on Sunday, June 4th at the Sugar Pine Dam Recreation Area in the Forbes Creek section at the Rocky Ridge group site. It is one of the most beautiful spots in Placer County. We are limited to 50 people at this site so get your reservations in early. Cost is \$40 per family.

For more information please visit :

<http://www.sfarc.org/48th-campout-party.html>

Or contact Dave, WA6UHA, at:
youha@comcast.net



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP. DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Larry Bradley KK6QPE
Secretary - Dick Fletcher, AF9RF
Treasurer - Cathi Walton, K2CJW
Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU Terry Buxton, KK6KGX
Janice Fujii, KG6VTD John Primus, AF6RJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2017

Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
Secretary: (vacant)
Web Page: Mike Patterson, N6JGA

Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Klaus Berkner, K6KHB
Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Communications Van - Lauren Styles, WA6CIE

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PRESIDENT'S MESSAGE



MDARC Family,

Last month's Auction was a big success again this year. Our intrepid auctioneer, Jim Siemons, AF6PU, offered up over 170 items for sale, and sold over 160 of them. If that's not a record, it must be close. Many of those items were donations to the Club, greatly increasing our income from the auction. Our Treasurer, Cathi Walton, K2CJW, will include the financial results in her report at the meeting.

Once again, Field Day is just around the corner; June 24-25. We'll be located at the same place as usual in Heather Farm Park, Walnut Creek. The Committee is working on increasing the number of stations we have active this year, as well as other activities. Our van and trailer will be there, with newly acquired equipment installed. So if you haven't seen one of both of our vehicles, Field Day is a good time to come get a tour. One issue the Committee is working on is the city's installation of solar panels in the parking lot we've been using. We don't yet know whether they will cause significant interference or not. That's being researched. Either way, it's a good educational and experimentation opportunity and we'll learn a lot about living with and working around solar panels.

Speaking of the van, it's nearing completion of its needed mechanical upgrades, with new brakes, new fluids and a host of other lesser repairs and tweaks. So it's almost ready to get the radios and other electronics installed. We have a bunch of stuff to put in; much of it generously donated by Club members. As mentioned above, we'll be showing off our new wheels at Field Day.

Our Education and Training Committee is almost finished with the General Class course, begun in March. The last class session is the evening before our Club meeting, May 18. They'll hold a test session the following Thursday, May 25. This will be followed by an HF Get On The Air (GOTA) session and a few Auxiliary sessions. The committee takes July off for a summer break, then starts a new Technician class course on August 17. One of the Auxiliary sessions will be a SkyWarn certification class, on June 15th, given by a representative from the U.S. Weather Service. If you care about the weather, don't miss it.

Pacificon planning is going well, but there's a lot of work left to do. Registration is open, so get your tickets ordered and hotel rooms reserved. We'll have two illustrious speakers at our Banquet. In keeping with our theme of Youth and Education, one is Carol Perry; known throughout the ham community as a tireless advocate for educating youth in the wonders of ham radio. Our second speaker will be ARRL President, Rick Roderick. Of course, Gordo West and Bob Heil will return, along with our Antenna Seminar, one-day Technician Class, two rooms full of vendors and much more. I hope it's already on your calendar, but if not, put it down now – October 20-22 in San Ramon.

We have a new page on our web site. The MDARC Committees page gives a short summary of all the Club's numerous committees; what they do and what they need help with. Take a look at it at <http://www.mdarc.org/about-us/committees> to see which one(s) of them do something you're interested in. There are so many things we do; there must be something you'll like. Then contact the Committee Chair and tell them you want to help.

This is the best ham radio club in the state. We need your help to keep it that way. Please volunteer for the Club. No experience necessary. We'll provide that. Thank you.

73 until next time. *Mike Patterson, N6JGA, President*

WELCOME
NEW MEMBERS

Adam Harry KE6IZU

Brandon Harry

Craig Hauger KI6EMD

Maria Hauger KI6ENT

John Hudgens KK6NAL

Robert Silva WA6NEA

Marty Wayne W6NEV

George Wood K6GMW (not KG6MW)

**NEW SKYWARN NET ON
147.060+ REPEATER
Wednesday Nights 7pm
SkyWarn membership not
required to check in**

There is a SkyWarn certification class scheduled at the Concord Salvation Army location in June. Expect more information in the near future.

**More information on
SKYWARN at:
www.norcalSkywarn.org**



MDARC Board Meeting Minutes April 3, 2017

Attendees:

Mike Patterson, N6JGA; President
Larry Bradley, KK6QPE; Vice President
Cathi Walton, K2CJW; Treasurer
Ron Bunch, W4FEK; Emergency Coordinator
Terry Buxton, KK6K6X; Director at Large
John Primus, AF6RJ; Director at Large
Janice Fujii, KG6VTD; Director at Large
Trevor Hall, WA6JAU; Director at Large
Misa Siemens, KJ6BUE; Pacificon Committee Chair
Larry Loomer, K6LNB; Field Day Committee Chair
Jim Siemens, AF6PU; Outreach Chair, Technical Committee Chair
Eric Fergusen, KA6USJ; Guest

Meeting called to order at 7:00 P.M. by Mike, N6JGA.
Previous Board Meeting Minutes were approved.

Vice President Report [Larry, KK6QPE]

Dave Piersall, N6ORB scheduled for May. Topic: Easy Up, Easy Dow, Easy with HOA.
Bill Buzbee scheduled for June. Topic: building a computer from scratch
July and August open.
Misa Siemens, KJ6BUE scheduled for September. Topic: Pacificon
David Witkowski, W6DTW scheduled for October [Pacificon]. Topic: Maker Faire movement.

Treasurer's Report [Cathi, K2CJW]

Had two recent donations: member donated \$500 towards the van, member donated \$200 [\$100 plus Google matching \$100].

Monthly Report-March 2017 provided to attendees. Details can be found there.

Auction Report [Jim, AF6PU]

Bill Swindell, K1LED will not be participating
Staff

Announcer: Jim S, AF6PU

Recordkeeper: Mike Patterson, N6JGA

Monetary collection: Cathi, K2CJW

Sign-in/bid card distribution: Jay Caldis, KT6Y with support from Larry, KK6QPE and Eric, KA6USJ

Additional support staff available

Advertise on webpage of intended 5% add-on fee for use of credit card.

Mini-tablet will be available with Square software for processing credit cards.

Digital Media Report [Mike, N6JGA]

New online membership enrollment is a success.

Pacificon registration web pages are ready to "load" on to the MDARC web site.

Education and Training Report [John, AF6RJ]

Education and Training Report distributed to attendees for details.

Major points: successful Technician License course with 95% pass rate for those who took the exam; General Licensing Course underway with average attendance of 20 students and progressing well.

Some Ecomm classes are planned.

Lauren Styles, WA6CIE, is the liaison with the Salvation Army Corps and is our single point of contact to coordinate activities with the Corps.

Online course registration will be available starting 04/17/17.

Emergency Communication Report [Ron, W4FEK]

In planning stages.

Outreach Report [Jim, AF6PU]

Initial "box" failure for accepting/recording incoming telephone calls, but backup with Google Voice. "Box" has been replaced.

MDARC store to be covered in the future.

Pacificon Report [Chair: Misa, KJ6BUE, presented by Jim, AF6PU]

Keynote speakers: Carol Perry, WB2MGP; Rick Roderick, K5UR

Bob Hiel will be there.

Expect large involvement with Boy and Girl Scouts.

Some discussion on logistical concerns to be resolved by the Pacificon Committee.

Public Service Report [Chair: Klaus Berkner, K6KHB, No report]

Technical Committee Report [Jim, AF6PU and Trevor, WA6JAU]

Partial opening of Morgan Territory Road will allow better access to North Peak repeater.

Internet network on North Peak not operational yet.

Echolink hard disc on South Peak (?) is aging and may need to be replaced.

Bio battery may need to be replaced.

Technical considerations for the club communication van [MDARC-1].

General feeling that too much unneeded equipment is being requested for installation.

Communication Van Report [Chair: Lauren, WA6CIE; presented by Jim, AF6PU]

Stephen Teitgen, KJ6ULV completed vehicle inspection.

Replaced brake pads, rotors, and bearings. Approximate savings: \$1000 [\$1400 vs \$400].

Jeff Mau (?) to change the fluids {radiator, differential, brake}

Vehicle readiness assessment: overall in good shape, should need just regular maintenance.

Refer to the **Summary Report** that was provided to the Board for details.

Unfinished Business

Cathi, K2CJW distributed a draft of a **Volunteer Opportunities Form** and invited discussion.

There was agreement for the need and value as well as several positive suggestions.

Continued future discussion is expected.

Ron, W4FEK brought up the question regarding changing the By Laws to reflect the expanded responsibilities of the Emergency Communications Chairperson to oversee all regular net and organized event usage (e.g. public service events) of the MDARC repeater systems.

It was decided that a change to the By Laws was not required and that the current wording provided enough latitude to cover those expanded duties.

[Ancillary to this discussion was the request to keep Trevor, WA6JAU informed of any additional repeater usage (e.g. public service events)]

Mike, N6JGA brought up the subject of reducing the business meeting portion of our monthly club meeting to provide time for the speaker.

Several ideas were discussed with these main take points:

Skip Chairperson reports if there is not new information.

Use the **Carrier in lieu** of some Chairperson reports at the club meeting.

Treasurer's report required as mandated in the By Laws

Public Service report to be required since that is a major "voice" to the community.

Vice President's report required to provide information for future speakers.

Those providing a report need to do the following: keep it short, be ready to take the microphone to avoid having to walk to it.

Mike, N6JGA reminded the Board that we are unable to reserve the meeting room at the Black Bear Restaurant which puts us at risk of not being to use the room.

Several alternative locations were discussed, but they all seemed to have problems: noise, distance for members to travel, room too small.

This discussion will continue.

New Business

There was a discussion about a **New Member Packet** that was presented by Mike, N6JGA.

Possible inclusions in the packet were shared with the Board members and it was agreed that it was a good idea.

An ad hoc committee to be chaired by Larry, KK6QPE was created to partner with Tom Deeble, KA6SIP (Membership Coordinator) to work out the details.

Cathi, K2CJW reminded the Board that the By Laws on the MDARC webpage should be replaced with the newest revision.

Mike, N6JGA said that he would make the replacement.

Meeting adjourned at 8:55 PM.

Minutes submitted by Larry, KK6QPE in Dick Fletcher's, AF9RF absence.

MDARC General Meeting Minutes Date: March 17, 2017

Presided over by: President Mike Patterson, N6JGA

Recorded by: Secretary Richard W Fletcher, AF9RF

Meeting location: Our Saviors Lutheran Church, 035 Carol Lane Lafayette, Ca.

The meeting was called to order at 7:30PM PDT.

A pledge of allegiance was performed at this time.

The minutes of the previous meeting was approved by the membership.

VP, Larry Bradley, announced the program for the evening being one describing the administration and performance of Hospital Nets by Melanie Mariotti, KC7VFT.

Treasurer, Cathi, detailed her recent activities followed by announcing the current balance total as \$106,745.10.

President Mike explained the protocol that will be followed for the upcoming auction in April.

John Primus, AF6RJ explained the status of the General license class currently in session saying that there are 20 students enrolled 16 of which came from the recently completed Technician license class.

A reminder given to all present was that Field Day will be at Heather Farm Park the last weekend in June.

Membership Chair, Tom reported that he registered 16 new club members recently.

It was announced that the vacant Public Service Chair position has been filled by Klaus Berkner, K6KHB.

The license testing session for this evening has produced four Technician, four General and one Extra class licenses.

Misa KJ6BUE, Pacificon chair, gave a detailed description of how things are going well for this event.

Having no unfinished business nor new business the meeting was adjourned at 7:58 PDT.

Respectfully submitted

Richard Fletcher, AF9RF

N7RCA



***Northern Nevada Annual Radio Swap Minden, Nevada
June 17, 2017 7:30am until...?***

***Collins radios and parts
LOTS OF HEAVY METAL EQUIPMENT,
VINTAGE EQUIPMENT Drake, Collins, Viking and so on***

What to Bring: Wife, friends, drinks, food, chairs and a table for swap.

AGENDA: Swap - Buy - Sell - Trade- Have fun

Spaces are FREE.

Please pass this along to other groups and operators

MINDEN, NEVADA. (20 miles from S. Lake Tahoe)

AM, SSB, COLLECTORS, BROADCASTERS, and their FAMILYS

RV's welcome on the ranch, lots of room.

Swap meet is on a 6 acre ranch parking and RV's are not a problem.

All persons are invited who are interested in radio.

Additional Information at:

<http://www.n7rca.info/>

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

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- ONLINE - WWW.HAMRADIO.COM
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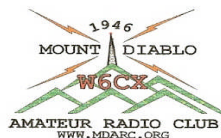
SALEM, NH
(800) 444-0047

PLANO, TX
(877) 455-8750

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WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



FIRST CLASS

NEXT MONTH:



**Affiliated
Club**

<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R / 133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500

Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

May and June 2017 Club Calendar

Friday May 19, 2017	7:30pm	General Meeting - Our Saviors Lutheran Church 1035 Carol Lane, Lafayette
Monday June 5, 2017	6:30pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek
Saturday June 3, 2017	8:00am	MDARC Technical Committee Environmental Center, 2581 Harbor Street, Pittsburg
June 16, 2017	7:30pm	MDARC General Meeting - Our Saviors Lutheran Church 1035 Carol Lane, Lafayette

June 24-25, 2017

ARRL FIELD DAY WEEKEND